

Abstract

Until now visual extrapolations of a, for example critical, measurement value pattern and/or subjective evaluations of the

5 impact on technical parameters were undertaken for the purposes of trend analysis, in order to estimate the operational dependability of a machine.

Optimal adjustment of the extrapolation function in respect of the
10 database is effected according to the invention not by means of a maximum correlation coefficient r but using a measure of quality (K), which is independent of the gradient of an adjustment curve in respect of a database.

15 (Fig. 2)